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Steps for running web-application:

Pre-requisites-

Java runtime environment, Local Tomcat/ glass fish server.

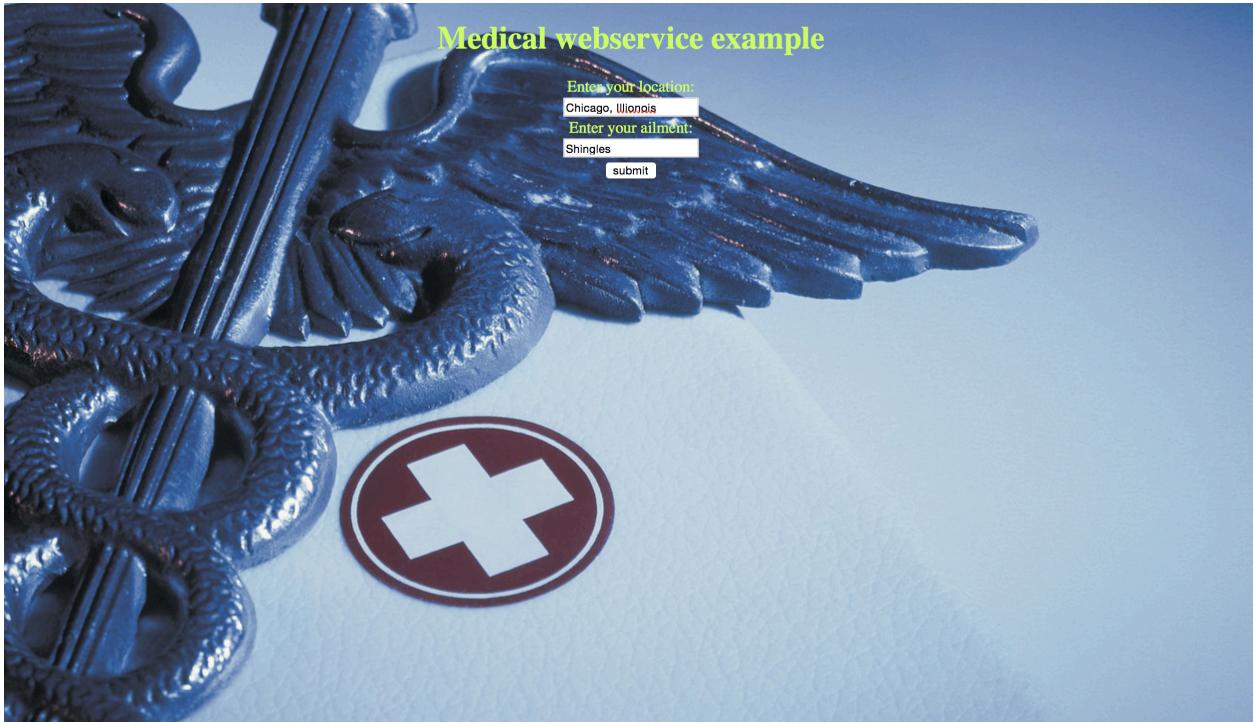
Instructions:

Open the zip file -> Find medicalWebService.war which is a deployable file -> Find ProgrammingAssignment_1 folder, it is source code. -> Find Jars to be imported folder which are to be copied in Tomcat lib folder as well as reference them to Eclipse project build path if project is to be opened in IDE.

1. Stop the local sever.
2. Copy below set of jar files into 'lib' directory of Tomcat server. The set of jars are included with .zip submission file.

		Sep 22, 2015, 4:21 PM	832 KB	Java archive
	struts2-core-2.3.24.1.jar	Sep 22, 2015, 4:19 PM	677 KB	Java archive
	xwork-core-2.3.24.1.jar	Jul 11, 2015, 8:25 PM	1.6 MB	Java archive
	android-3.2.jar	Apr 3, 2015, 8:09 AM	1.3 MB	Java archive
	freemarker-2.3.22.jar	Feb 10, 2015, 7:34 PM	24 KB	Java archive
	json-simple-1.1.1.jar	Feb 19, 2014, 4:21 PM	69 KB	Java archive
	commons-fileupload-1.3.1.jar	Jan 2, 2014, 9:45 PM	385 KB	Java archive
	commons-lang3-3.2.jar	Nov 23, 2013, 5:59 PM	45 KB	Java archive
	commons-logging-api-1.1.jar	Nov 23, 2013, 5:55 PM	614 KB	Java archive
	javassist-3.11.0.GA.jar	Nov 23, 2013, 5:55 PM	174 KB	Java archive
	commons-io-2.2.jar	Nov 23, 2013, 5:55 PM	228 KB	Java archive
	ognl-3.0.6.jar	Nov 23, 2013, 5:55 PM	62 KB	Java archive
	commons-logging-1.1.3.jar	Mar 24, 2013, 9:17 PM	49 KB	Java archive
	org.json.jar			

3. Copy medicalWebService.war file to webapps directory of Tomcat. Which is basically a deployable directory for local server.
4. Start the server.
5. Open below URL: - Use appropriate port name as per local setting.
<http://localhost:8080/medicalWebServices/>



6. Enter location (City, State), Disease name.
7. Click on Submit button to view the results.

Disease description:

Post-herpetic Neuralgia
Postherpetic neuralgia
Shingles is a disease caused by the varicella-zoster virus - the same virus that causes chickenpox. After you have chickenpox, the virus stays in your body. It may not cause problems for many years. As you get older, the virus may reappear as shingles. Although it is most common in people over age 50, anyone who has had chickenpox is at risk. You can't catch shingles from someone who has it. However, if you have a shingles rash, you can pass the virus to someone who has never had chickenpox. This would usually be a child, who could get chickenpox instead of shingles. The virus spreads through direct contact with the rash, and cannot spread through the air. Early signs of shingles include burning or shooting pain and tingling or itching, usually on one side of the body or face. The pain can be mild to severe. Rashes or blisters appear anywhere from one to 14 days later. If shingles appears on your face, it may affect your vision or hearing. The pain of shingles may last for weeks, months, or even years after the blisters have healed. There is no cure for shingles. Early treatment with medicines that fight the virus may help. These medicines may also help prevent lingering pain. A vaccine may prevent shingles or lessen its effects. The vaccine is recommended for people 60 or over. In some cases doctors may give it to people ages 50 to 59 NIH: National Institute of Allergy and Infectious Diseases
Neuralgia, Postherpetic
Herpes Zoster

List of Doctors:

- Michael.Haak
- Charles.Dye
- Francis.Ruggiero
- Maria.Tam
- Louis.Piccoli
- Ada.Kumar
- Carolina.Candotti
- Ravilla.Mahidhar
- Emma.Fattakhov
- Pratheek.Kakkasseril

List of Hospitals:

- "Rush University Medical Center"
- "Mercy Hospital & Medical Center"
- "Provident Hospital of Cook County"
- "Cook County Bureaus-Health Services"
- "Chicago Cosmetic Surgery and Dermatology"
- "Advocate Illinois Masonic Medical Center"
- "Target Clinic"
- "Northwestern Memorial Hospital"
- "Presence Saints Mary and Elizabeth Medical Center"
- "Tiffani Kim Institute"
- "University of Chicago Medical Center"
- "University of Chicago Medicine Comer Children's Hospital"
- "Mount Sinai Hospital"
- "Physicians Immediate Care - West Loop"
- "Westside Center For Disease"
- "Rehabilitation Institute of Chicago"
- "Sacred Heart Hospital"
- "Presence Saint Joseph Hospital"
- "Norwegian American Hospital"
- "Presence Saint Joseph Hospital - Harborview Recovery Center"

The list of doctors is restricted to 10 due to space restriction. Also, the location radius is set to 10 miles.

